

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

KLABUNDE, KENNETH et al.

Serial No.:

Filed:

POROUS PELLET ADSORBENTS
FABRICATED FROM NANOCRYSTALS

Docket No. RE26499A

Group Art Unit No. 1752

Examiner:

Assistant Commissioner of Patents
Washington, D.C. 20231

REISSUE AMENDMENT

Entrance of the following amendment prior to examination of the merits is respectfully
requested.

CLAIMS

Add claims 14-19 as follows:

14. A method of removing an acid from a gas stream comprising the steps of:
- providing a quantity of self-sustaining bodies formed of agglomerated, nanocrystalline metal
oxide particles selected from the group consisting of CaO and Ca(OH)₂ and admixtures
thereof, the starting particles having an average crystallite size of up to about 20 nm;
and
passing a stream of acid-bearing gas into contact with said self-sustaining bodies under
conditions for removing at least a portion of said acid from the gas stream.

15. The method of claim 14, wherein said acid contains a sulfur atom.

16. The method of claim 14, said particles in the form of compressed-together bodies produced by pressing together said particles at a pressure of from about 50 psi to about 6,000 psi.

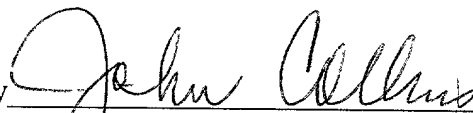
17. The method of claim 14, said bodies formed by pressing together said particles at a pressure of from about 500 psi to about 5,000 psi.

18. The method of claim 14, said bodies having a density of from about 0.2 to about 2.0 g/cm³.

19. The method of claim 14, said particles being CaO.

Any additional fee which is due in connection with this amendment should be applied against our Deposit Account No. 19-0522.

Respectfully submitted,

By 
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ATTORNEYS FOR APPLICANT(S)

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STATEMENT OF STATUS AND SUPPORT FOR CLAIMS

Pursuant to 37 CFR § 1.173(c), the following is a statement of the status and support for the claims presented in the concurrently filed reissue application.

Claims 1-13 remain as originally patented in U.S. Patent No. 6,093,236, without any amendment.

Claims 14-19 are newly added in this reissue application. The following sets forth exemplary support for the limitations of claims 14-19, with reference to the column and line number of Patent No. 6,093,236, and similarly with reference to the specification of the reissue application.

Claim Limitation

Claim 14: Preamble

providing a quantity...

Support

Col. 3, ln. 32-42

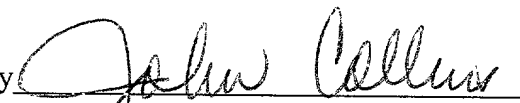
Col. 2, ln. 18-23, ln. 28-30

passing a stream...	Col. 3, ln. 23-25, ln. 30-31
Claim 15: Entire claim	Col. 3, ln. 38-40
Claim 16: Entire claim	Col. 2, ln. 31-34
Claim 17: Entire claim	Col. 2, ln. 33-34
Claim 18: Entire claim	Col. 3, ln. 12-14
Claim 19: Entire claim	Col. 2, ln. 24-25

Any additional fee which is due in connection with this amendment should be applied against our Deposit Account No. 19-0522.

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